

**KOLLAM DISTRICT COOPERATIVE HOSPITAL SOCIETY LTD Q 952**

**Palathara, Kollam**

**Pin: 691020**

**TENDER DOCUMENT**

**For**

**Supply & Installation of**

**CATH LAB**

**(Tender No : PDT -3/2017-18/CATH- NSMIMS)**

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## **SECTION 1**

### **INVITATION FOR TENDER**

Sealed Tenders (Two Bid System) are invited for supply and installation of CATH LAB for NS Memorial Institute of Medical Sciences (NSMIMS) under Kollam District Cooperative Hospital Society Ltd Q 952.

<b>DATE OF RELEASE OF TENDER</b>	<b>: 9<sup>th</sup> JUNE 2017</b>
<b>DATE OF PRE – TENDER MEETING</b>	<b>: 15<sup>th</sup> JUNE 2017, 11 A.M</b>
<b>TENDER SUBMISSION START DATE</b>	<b>: 19<sup>th</sup> JUNE 2017, 11A.M</b>
<b>LAST DATE FOR PURCHASE OF TENDER DOCUMENTS</b>	<b>: 2<sup>nd</sup> JULY 2017, 5 P.M</b>
<b>TENDER SUBMISSION END DATE</b>	<b>: 3<sup>rd</sup> JULY 2017, 4 P.M</b>
<b>DATE OF TENDER BID OPENING</b>	<b>: 4<sup>th</sup> JULY 2017, 11 A.M</b>

### Brief schedule

Sl No	Description	EMD	Completion period	Tender fees
1	CATH LAB on turnkey basis	Rs 100000	3 months	Rs 26250

Tender documents are available for sale at NSMIMS from 09 /06/2017 till a day prior to the closing date of receipt of tender against a payment of non-refundable fee of Rs26250/-(Rupees Twenty six thousand two fifty only) in the form of crossed Demand Draft drawn in favour of the Secretary, Kollam District Cooperative Hospital Society Ltd, Q 952 payable at Kollam. The tender document can also be downloaded from the website [www.nshospital.org](http://www.nshospital.org) . In the case of bid documents downloaded from the website mentioned above, the required fees as mentioned above has to be deposited at the time of submission of tender and non-submission of sufficient tender document cost as mentioned in Section III shall be one of the primary reasons for rejection of the offer in the first round.

In case of any disparity between the printed version of the tender documents sold through the Tender Inviting Authority and the downloaded version, the printed version will prevail.

## SECTION II

### SCOPE & DESCRIPTION OF CONTRACT

#### 2.1 General Definitions

- 2.1.1 *Society* means Kollam District Cooperative Hospital Society Ltd Q 952, represented by the Secretary
- 2.1.2 *Purchase Committee* is a Sub Committee of the Board of Directors authorized to decide on the purchase of the drugs, equipments and other stores procured by the Society
- 2.1.3 *Tender Inviting Authority* is the Secretary, Kollam District Cooperative Hospital Society Ltd, Q 952 who calls for tenders and ensures supply, installation and after sales service of the equipments procured under this tender document.
- 2.1.4 *Blacklisting/debarring* – the event of violation of any conditions of the tender document, more specifically those mentioned in the Specific Conditions of Contract (Section V) and General Conditions of Contract (Section VI) of this tender document, the tenderers will be prevented for a period of 1 to 5 years from participating in the future tenders of Tender Inviting Authority, the period of debarring being decided on the basis of the number of violations in the tender conditions and the loss/hardship caused to the Tender Inviting Authority on account of such violations.

#### 2.2 Scope

- 2.2.1 The tenders are invited for the supply, installation and commissioning of the equipment, the details of which are mentioned in Section IV, needed for Kollam District Cooperative Hospital Society Ltd, Q 952.  
The tender can be withdrawn at any point of time, after the minimum price firmness period of 180 days, but not after accepting the Letter of Intent or

entering into agreement with Kollam District Cooperative Hospital Society Ltd, Q 952 or without giving a one month's prior notice.

### SECTION III

#### TENDER SCHEDULE

1.	Tender No.	<b>PDT -3/2017-18/CATH- NSMIMS</b>
2.	Cost of Tender Document	Rs 26250/-
3.	Earnest Money Deposit	Rs 100000/-
4.	Performance Security	5% of the offered price (for successful tenders)
5.	Validity of Performance Security	Up to 90 days after the date of completion of the contractual obligations

#### 3.1. Tender Details

#### 3.2. Important Dates

Sl. No.	Particulars	Date and time
1.	Date of release of tender	10:00 am; 09 <sup>th</sup> June 2017
2.	Date of pre-tender meeting	15 <sup>th</sup> June 2017
3.	Tender submission Start Date	19 <sup>th</sup> June 2017
4.	Tender submission End Date	3 <sup>rd</sup> July 2017
5.	Date of technical bid opening	4 <sup>th</sup> July 2017
6.	Date of demonstration of the machine/equipments	To be informed to qualified tenderers qualifying after opening of technical bids

7.	Date of opening of the price bid	To be informed to the qualifying tenders qualifying after demonstration
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## SECTION IV

### DETAILS OF EQUIPMENT TENDERED

#### 4.1

Sl.No	Description	Quantity
1.	CATH LAB	1

#### 4.2

The detailed technical specifications and other quality parameters of the above equipment may be seen at the Appendix in Section VII- Technical Specifications



## SECTION V

### SPECIFIC CONDITIONS OF CONTRACT

#### 5.1

<b>Sl. No</b>	<b>Activity</b>	<b>Time Limit</b>
5.1.1	<i>Installation / Delivery period</i>	10 weeks from date of confirmation of delivery from Tender Inviting Authority
5.1.2	<i>Completion of installation Turnkey work</i>	12 weeks from the date of supply order
5.1.3	<i>Comprehensive warranty period</i>	3 years for all items supplied on turnkey basis except consumables
5.1.4	<i>CMC/AMC period</i>	4 years for all items supplied on turnkey basis except consumables after comprehensive warranty period
5.1.5	<i>Frequency of visits to NSMIMS during Warranty/CMC or AMC</i>	One visit every three months (4 visits in a year) for periodic/preventive maintenance and any time for attending repairs/break down calls.
5.1.6	<i>Frequency of payment of CMC or AMC charges</i>	Every six months after completion of the period
5.1.7	<i>Submission of Performance Security and entering into contract</i>	10 days from the date of issuance of Letter of Intent
5.1.8	<i>Payment Installments of Price of equipments and ratio</i>	2 Installments and in the ratio 80: 20
5.1.9	<i>Time for making payments by Tender Inviting Authority</i>	Within 30 days from the date of submission of proper documents
5.1.10	<i>Maximum time to attend any Repair call</i>	Within 48 hours

5.1.11	<i>Uptime in a year</i>	95 %
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**5.2. Pre qualification of tenderers:**

- 5.2.1 Manufacturers or their authorized dealers/Indian subsidiaries/direct importers having a place of business in any of the States of India are eligible to participate in this tender. [Original Equipment Manufacturers shall submit the ‘Manufacturer’s Offer Form’ (as per Annexure- I).The Letter of Authorization (as per Annexure-2 ) from the Original Equipment Manufacturer (OEM) shall be submitted in the case of a tenderer who is not the manufacturer of the equipment offered].
- 5.2.2 The tenderer or manufacturer of the equipment offered who is in the business of the supply and installation of the equipment for the last three calendar years.
- 5.2.3 Tenderers who submit all the necessary documents as prescribed for inclusion in the technical bid under cl.6.1 without any ambiguity and errors and who submit the requisite cost of the tender document and also the EMD prescribed.
- 5.2.4 The Tenderers who have an average annual turnover of Rs. 20 crore for the last three completed financial years. The tenderer shall submit proof of the same (Notary attested copy of audited accounts, balance sheet, annual report etc.)
- 5.2.5 Tenderers who submit notary attested copy of IT returns filed for the last three years.
- 5.2.6 Tenderers who have the capability to attend repairs of the equipment within the time prescribed and who are willing to provide standby equipment or replace the faulty equipment if the repair/down time extends beyond 72 hours from the time of reporting of the fault within the next 48 hours (total down time should not exceed 5 days in one instance). The tenderers who have the capability to ensure the uptime mentioned in clause 5.1.10 (Documentary proof shall be submitted on the after sales facilities and expertise of the tenderer.)
- 5.2.7 Tenderers who have been blacklisted/ debarred by Tender Inviting Authority or blacklisted / debarred by any State Government or Central Government department/Organization or Cooperative Society should not participate in

the tender during the period of such blacklisting.

### **5.3 Format and signing of bid.**

5.3.1 The Tenderer shall prepare two copies of the bid, clearly making each “Original Bid” and “Copy of Bid” as appropriate. In the event of any discrepancy between them, the original shall govern.

5.3.2 The original and copy of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. Written power-of-attorney accompanying the bid shall indicate the letter of authorization. The person or persons signing the bid shall initial all pages of the bid, except for unlamented printed literature.

5.3.3 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder, in which case the person or persons signing the bid shall initial such corrections.

### **5.4 Submission of Bids**

5.4.1 Sealing and marking of bids.

The bidders shall seal the original and the copy of the bid in an inner and an outer envelope, duly marking the envelopes as ‘Original Bid’ and ‘Copy of Bid’.

5.4.2 The Inner and outer envelopes shall be:

(a) Addressed to the purchaser at the following address: -

**“The Secretary,**

**Kollam District Cooperative Hospital Society  
Ltd Q 952,  
NS Memorial Institute of Medical Sciences  
(NSMIMS),  
Palathara  
Kollam,  
Kerala  
Pin: 691020**

(b) Bear the Invitation for Tender number and the words “DO NOT OPEN BEFORE.....” (Here insert the time and date of Bid opening).

5.4.3 The inner envelopes shall indicate the name and address of the bidder.

5.4.4 If the outer envelope is not sealed and marked as required herein, the purchaser will assume no responsibility for the bid’s misplacement or premature opening.

5.4.5 Tenderers shall submit their bids in two parts as under:

- (a) **Technical bid**, *in duplicate*, consisting of technical details bringing out clearly in a separate sheet, the deviations in specifications, if any, from that of ‘Technical Specifications’ and also clause-by-clause compliance of specifications along with the commercial terms and conditions and bid security.
- b) **Price bid** showing only item wise prices in a separate sealed cover inside the main cover.
- c) It may be noted that when the main cover is opened on the date and time scheduled for tender opening, only the technical bids will be opened.

- d) Only those tenderers whose technical bids are found to be substantially responsive and demonstration of the functioning of the equipment found satisfactory will be informed of the date and time of opening of their price bids. Price bids of others will not be opened.

## **5.5 Deadline for submission of bids.**

5.5.1 Bids must be received by the purchaser at the address specified at para 5.4.2 not later than the time and date specified in the invitation for bids. In the event of the specified date for the submission of bids being declared a holiday for the purchaser, the bids will be received up to the appointed time on the next working day.

5.5.2 The purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents, in which case all rights and obligations of the purchaser and bidders which were subject to the previous deadline will thereafter be subject to the deadline as extended.

5.5.3 It is the responsibility of the bidders to ensure that the completed bidding documents are delivered to the Tender Inviting Authority before the closing date and time stipulated above for receipt of bid, failing which the bid would be considered late and rejected.

## **5.6 Late bids**

5.6.1 Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser, will be summarily rejected.

## **5.7 Single bid**

Any bid received by the purchaser in the form of a single bid incorporating both technical details and quoted price will be summarily rejected.

**SECTION VI**  
**GENERAL CONDITIONS OF CONTRACT**

**6.1 Contents of the Tender Document:**

This '**Tender Document**' contains the following:

- 6.1.1 Invitation for Tender (Section I)
- 6.1.2 Scope and Description of Contract (Section II)
- 6.1.3 Tender Schedule (Section III)
- 6.1.4 Details of Equipments Tendered (Section IV)
- 6.1.5 Specific Conditions of Contract (Section V)
- 6.1.6 General Conditions of Contract (Section VI)
- 6.1.7 Appendix: Documents Supplied by the Tender Inviting Authority
- 6.1.8 Annexures: Formats for submission of tenders by the tenderers

**6.2 Tender Document**

- 6.2.1 The detailed technical specifications and terms and conditions governing the supply, installation, commissioning and the after sales service of the equipments tendered are contained in this "Tender Document".
- 6.2.2 Tender documents are available for sale at NSMIMS from --09/06/2017 till a day prior to the closing date of receipt of tender against a payment of non-refundable fee of Rs26250/-(Rupees Twenty six thousand two fifty only)in the form of crossed Demand Draft drawn in favour of the Secretary, Kollam District Cooperative Hospital Society Ltd Q 952 payable at Kollam . The tender document can also be downloaded from website [www.nshospital.org](http://www.nshospital.org). In the case of any discrepancy between the printed version and downloaded version, the printed version shall prevail. In case the Tender Document is

downloaded, Tenderer shall submit Tender Document cost along with tender documents and non- submission of sufficient Tender document cost shall be one of the primary reasons for rejection of the offer in the first round.

6.2.3 The general guidelines on the tender process are as below;

### **6.3 Responsibility for Verification of Contents of Tender Document:**

6.3.1 The purchasers of the tender form shall examine all instructions, forms, terms and conditions and specifications in the Tender Document and verify that all the contents mentioned under clause 6.1, are contained in the 'Tender Document'.

6.3.2 Failure to furnish any information required by the tender documents and submission of an offer not substantially responsive to it in every respect shall be at the tenderer's risk and may result in the rejection of the bids, without any further notice.

### **6.4 Guidelines for Preparation of Tender**

6.4.1 The Tenderer shall bear all costs associated with the preparation and submission of its bid and the Kollam District Cooperative Hospital Society Ltd, Q 952, hereinafter referred to as the "Tender Inviting Authority", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

6.4.2 In the event of documentary proof as required not being enclosed, the Tender shall be liable to be rejected. All pages of the bid, except for unamendable printed literature, shall be signed by the authorized person or persons signing the bid along with the stamp of the tenderer.

6.4.3 Language of Bid:- The Bid prepared by the tenderer and all correspondence and documents relating to the bid exchanged by the Tenderer and the Tender Inviting Authority, shall be in English language only. Supporting documents and printed literature furnished by the Tenderer may be written in another language provided that they are accompanied by an authenticated accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the English translation shall govern.

6.4.4 The tender (in English Language only) for the supply of equipments mentioned in Section IV shall be submitted along with detailed specifications. A technical leaflet /brochure / literature in original shall be

enclosed along with list of names of organizations to which the equipment with the same specifications have been supplied in India during the last three years. In case of copy of earlier work orders and the performance certificates supporting the claim of past performance of the tenderer, it shall be attested by the organization where the same has been supplied and installed.

- 6.4.5 The documentary evidence (other than those regarding supply and past performance) submitted along with the Tender shall be produced duly attested by the tenderer on every page and serially numbered. Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person (s) signing the offer.
- 6.4.6 Tenderer shall submit a declaration letter as per the format given as Annexure 10 and copy of amendments published, if any, signed by the tenderer or the authorized representative shall be enclosed as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.
- 6.4.7 An offer submitted in vague /ambiguous financial terms and the like, shall be deemed to be non-responsive and shall be summarily rejected.
- 6.4.8 Clarifications to specific requests shall be responded through e-mail and general clarifications, affecting all the tenderers shall be published in the official website of the Tender Inviting Authority.

### **6.5 Earnest Money Deposit (EMD):**

- 6.5.1 EMD of unsuccessful tenderers will be discharged /returned promptly.
- 6.5.2 The successful tenderer's EMD will be discharged upon the tenderer signing the contract and furnishing the performance security.
- 6.5.3 No interest will be paid for the EMD submitted.
- 6.5.4 The EMD will be forfeited, if a tenderer,
- (a) Misrepresents facts or submits fabricated / forged / tampered / altered / manipulated documents.
  - (b) Withdraws its bid after the opening of technical bid;



(c) Fails to sign the contract after issuance of Letter of Intent

(d) Fails to furnish performance security after issuance of Letter of Intent

## **6.6 Deadline for Submission of Tender**

6.6.1 Tenders shall be submitted before the last date & time prescribed and the Tender Inviting Authority shall not be held liable for any delay whatsoever.

6.6.2 The Tender Inviting Authority may, at its discretion, extend the deadline for submission of tender by amending the Tender Document, in which case, all rights and obligations of the Tender Inviting Authority and the tenderers previously subjected to the deadline shall thereafter be subjected to the deadline so extended.

## **6.7 Modification and Withdrawal of Bids**

6.7.1 The tenderer can modify or withdraw bids submitted before the last date & time for submission.

## **6.8 Period of Validity of Tender**

6.8.1 The tender must remain valid for minimum 180 days (six months) from the date of opening of price bid. A bid valid for a shorter period shall be rejected by the Tender Inviting Authority as non-responsive.

6.8.2 Withdrawal or non-compliance of agreed terms and conditions after the execution of agreement or issuance of Supply Order will lead to invoking of penal provisions and may also lead to black listing/debarring of the successful tenderer.

## **6.9 Acceptance / Rejection of Tenders:**

6.9.1 It is not necessary that the offer of the firm quoting the lowest rates shall be accepted.

6.9.2 At any point of time, the Tender Inviting Authority reserves the right to cancel or modify the supply order even after it is awarded to the successful tenderer, in the event of the firm deviating from the agreed terms and conditions.

## **6.10 Notices**

6.10.1 The Tender Inviting Authority shall publish the following information on its website at the appropriate time as part of ensuring transparency in the tender process;

- a. The tender notices, documents, corrigendum, addendum etc, if any.
- b. Amendments to the tender conditions, if any
- c. Results of the responsiveness of the technical bids and minor infirmities/clarifications sought.
- d. List of tenderers qualified for demonstration of equipment
- e. Results of the demonstration of the equipment and provisional list of tenderers qualified for price bid opening.
- f. Final List of technically qualified bidders.

6.10.2 Notice, if any, relating to the contract, given by one party to the other shall be sent in writing or by email and confirmed by post. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

6.10.3 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

## **6.11 Other Terms and Conditions**

6.11.1 All the terms and conditions in respect of warranty/guarantee, CMC/AMC, Training of Staff etc mentioned herein shall be complied with.

6.11.2 Technical Specifications and Standards: - The Goods & Services to be provided by the successful tenderer under this contract shall conform to the technical specifications and quality control parameters mentioned in this

document.

6.11.3 The tenderer shall be responsible for payment of any charges due to any statutory authorities such as Income Tax, Sales Tax, and Customs Duties etc.

6.11.4 If at any point of time it is found out that there is a responsibility to effect some statutory deduction at the source, the Tender Inviting Authority will have the authority to do so.

## **6.12 Tendering System**

6.12.1 The tenders / bids are to be submitted in two covers.

6.12.2 PART-I is titled as TECHNICAL BID. The technical bid shall contain the complete technical specification, details on competency and financial stability of the tenderer, delivery and after sales conditions.

6.12.3 PART II is titled as PRICE BID (BOQ) has to be submitted.

## **6.13 Pre Tender Meeting**

6.13.1 A pre-tender meeting will be convened to clarify the doubts of the prospective tenderers. The Tender Inviting Authority may or may not amend the terms and conditions as well as technical specifications of the tender document after the pre-tender meeting on the basis of feedback obtained during such meeting with a view to obtaining maximum number of competitive bids.

6.13.2 Date of pre-tender meeting is given in Section III.

6.13.3 Pre-tender meeting is called by the Tender Inviting Authority to explain briefly about the requirements as well as the terms and conditions of the tender document and to get the views of the prospective tenderers by way of ensuing transparency in the tender process.

6.13.4 It is an opportunity for the prospective tenderer to obtain all the details about the tendered items, conditions governing the tenders and also to get the explanation of any ambiguous condition that may be present in

the tender document.

6.13.5 It is also an opportunity for the Tender Inviting Authority to assess the market and obtain feedback on the technical specifications/ features of the equipments etc so as to make amendments, if need be, in the tender document on the basis of expert advice.

6.13.6 Failure to attend the Pre-tender meeting will not be a disqualification, but a loss of opportunity for the prospective tenderers to understand about the items tendered and the tender conditions.

6.13.7 Filled up Tenders will be accepted only after the date of pretender meeting.

#### **6.14 Amendment of tender documents:**

6.14.1 At any time prior to the deadline for submission of tender, the Tender Inviting Authority may, for any reason, modify the tender document by amendment.

6.14.2 The amendments shall be published in the website, and the tenderer shall submit copy of amendments published, if any, signed by the tenderer or the authorized representative as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.

6.14.3 The Tender Inviting Authority shall not be responsible for failure to inform the prospective tenderers for any notices published related to each tender. Tenderers are requested to browse website of the Tender Inviting Authority for information/general notices/amendments to tender document etc on a day to day basis till the tender is concluded.

#### **6.15 Contents of Bid submission.**

6.15.1 Tender Document

6.15.2 Tender Document cost (in case Tender document is downloaded from the website)

6.15.3 Earnest Money Deposit

- 6.15.4 General information about the tenderer as per Annexure V
- 6.15.5 Annual turnover statement for last three years certified by the auditor as per Annexure IX.
- 6.15.6 Offer form as prescribed in the Annexure-VI .
- 6.15.7 The documents proving that the tenderer is an Original Equipment Manufacturer or their principal dealer/importer for Kerala/ South India/India (Annexure I/II )
- 6.15.8 Declaration Letter as per Annexure X and copy of amendments, if any, duly signed in all pages by the tenderer or the authorized signatory.
- 6.15.9 Price Bid
- 6.15.10 Power of Attorney as per format in Annexure VIII.
- 6.15.11 Notary attested documents such as articles of association/partnership deed etc, proof of incorporation, proving the registration of place of business and showing the details of partners/promoters/board of directors etc.
- 6.15.12 Notarized audited copies of the P& L Accounts, Balance Sheet, annual report for the last three completed years certified by the auditors.
- 6.15.13 Notary attested copy of IT returns filed for the last three completed years.
- 6.15.14 Details of Service centers as per Annexure VII
- 6.15.15 Documents showing service centre facilities in Kerala/South India.
- 6.15.16 Technical literature, product data sheet. (Original brochure and other documents proving that the equipment tendered meets all the technical parameters laid down herein).
- 6.15.17 Comparative statement of the technical specifications and compliance with the supplier's offered model, deviations and justifications.
- 6.15.18 The documents such as supply orders, performance reports showing that the tenderer and manufacturer is having previous experience in the business of the supply and installation of the equipment offered.

6.15.19 List of Installations of the offered model in Kerala and South India (institutions with name/designation of the contact person, phone number/email )

6.15.20 Copy of Quality Certificate requested as per the technical specification (if applicable) for the offered model.

## **6.16 Opening of Tender**

6.16.1 The date of technical bid opening is published in advance. However, the date of opening of price bid will be decided only after demonstration / obtaining clarification(s) from those who qualify in the technical bid and shall be conveyed to the qualified tenderers from time to time.

6.16.2 The opening of the technical bid and the price bid shall be done by the Tender Inviting Authority or his authorized representatives. The prospective tenderers or his/her representative who choose to attend the bid opening can attend the office of the Tender Inviting Authority for the opening of the bids.

6.16.3 In the event of the specified date for opening of Tender being declared holiday, the Tender shall be opened at the appointed time and venue on the next working day.

6.16.4 In the event of a tender (a) wherein the claims in the documents are materially missing or (b) if there is substantial error or (c) if the tenderer is unqualified for want of required qualifications, the tender shall stand disqualified and rejected. However, minor infirmities in the submission of documents will be allowed to be rectified so as to ensure qualification of maximum number of competitive offers to the final round.

6.16.5 The tenderer shall be responsible for properly uploading the relevant documents in the formats specified in the specific location and the Tender Inviting Authority shall not be held liable for errors or mistakes done while submitting the bid.

6.16.6 The date and time of opening the Price Bid will be announced only after the opening of the Technical Bid and demonstration of the features, operation etc of the equipment by the tenderers.

## **6.17 Evaluation of tender**

### 6.17.1 Bid Evaluation Committee:

6.17.1.1 The commercial terms and documents submitted as part of the technical bid shall be scrutinized by a Bid Evaluation Committee constituted by the Tender Inviting Authority.

6.17.1.2 The Bid Evaluation Committee may also verify the veracity of claims in respect of the known performance of the equipment offered, the experience and reputation of tenderer in the field, the financial solvency etc.

### 6.17.2 Technical Committee:

6.17.2.1 Evaluation of the technical bid shall be conducted by a Committee called the 'Technical Committee'. The demonstration of the machinery / equipment shall be conducted before the technical committee.

### 6.17.3 Purchase Committee:

6.17.3.1 The recommendations of the Bid Evaluation Committee/Technical Committee will be further scrutinized by the Purchase Committee.

6.17.4 A tenderer, at any stage of tender process or thereafter, in the event of being found after verification by the Tender Inviting Authority, to indulge in concealment or misrepresentation of facts, in respect of the claims of the offer, shall be debarred/black listed.

6.17.5 The Tender Inviting Authority's decisions on the tender submitted shall be based on the decisions taken by the various committees and otherwise as per the clauses as mentioned above.

6.17.6 Arithmetical errors shall be rectified on the following basis: If a discrepancy occurs between words and figures, the amount in words shall prevail and the offer shall stand corrected to that effect. If the tenderer does not accept the correction of errors, his offer shall be rejected. The Tender Inviting Authority may waive any minor infirmity or non-

conformity or irregularity in an offer, which does not constitute a material deviation, provided that the same shall not prejudicially affect the interest of the other tenderers.

## **6.18 Clarification of Bids**

6.18.1 During evaluation of bids, the Tender Inviting Authority may, at its discretion, give opportunity to the tenderer(s) for clarification of points raised by the bid evaluation committee or technical committee, as the case may be, on its bids submitted

6.18.2 The request for clarification and the response shall be in writing, either through email or by post.

## **6.19 Demonstration of technical specifications and performance:**

6.19.1 Before the opening of the Price Bid, immediately after the opening of Technical Bid, the tenderer shall arrange for demonstration of the machine at own cost, either directly or through authorized Dealer /Distributors, as the case may be, for verification by the Tender Inviting Authority.

6.19.2 If it is not possible for the successful tenderer to provide the model offered which conforms to the exact specifications as per section IV, then it shall be open to the tenderer to submit a model with similar specifications for the demonstration, if agreed by the Tender Inviting Authority. The purpose of this exercise is to satisfy the Tender Inviting Authority about the ability of the tenderer to manufacture and supply those items of specified specifications of good quality. However, the successful tenderer will have to satisfy the Tender Inviting Authority during the installation of the first piece of accessories at any location specified that it conforms to the requirements of the Section IV and failure to supply the equipments as per the requirements will lead to forfeiture of performance security and may also lead to blacklisting/debarring the tenderer for a period of 3 to 5 years.

6.19.2 Failure to demonstrate the technical specification or performance of the items to the satisfaction of the technical committee or the Tender Inviting Authority will lead to automatic rejection of the tender and



the price bid of such tenderers shall not be considered for opening of Price bids.

- 6.19.3 The Tender Inviting Authority's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by Tender Inviting Authority's inspector during demonstration as mentioned above.
- 6.19.4 Goods accepted by the Tender Inviting Authority at initial inspection and in final inspection in terms of the contract shall in no way dilute Tender Inviting Authority's right to reject the same later, if found deficient in terms of the warranty clause of the contract.

## **6.20 Price Bids**

- 6.20.1 The Price bids (BOQ) of the short-listed technically qualified tenderer(s) will be opened only after evaluation of Technical Bids. The short-listing of the tenderer(s) will be carried out on the basis of the technical evaluation and demonstration.
- 6.20.2 The opening of the price bid shall be done by the Tender Inviting Authority or his authorized representative and only the Price Bids of those firms qualified in the detailed scrutiny and evaluation of the Technical bid and successful pre delivery inspection /demonstration, conducted by the Technical Committee/Tender Inviting Authority shall be opened in the second round.
- 6.20.3 Price offered shall be all inclusive and in Indian Rupees. Price should be quoted for the supply, installation, training and successful commissioning of the accessories and fulfilment of warranty and aftersales service to the satisfaction of the NSMIMS.
- 6.20.4 Fixed price: Prices quoted by the Tenderer shall be fixed during the period of the contract and not subject to variation on any account.
- 6.20.5 Price variation due to statutory changes including excise/customs duty or sales tax (VAT) may be considered during contract period before releasing the Letter of Intent/supply order on receipt of proper documents.

6.20.6 There shall be no hidden costs.

6.20.7 Basic Price: The price of the equipment, accessories quoted shall be inclusive of ex-factory, ex-show-room, ex-warehouse, or off-the-shelf, or delivered, as applicable, all accessories / additional accessories / spares mentioned in the technical specification section IV, safe storage, on site assembly if any of the supplied goods, installation, testing and commissioning of the equipment, accessories, furnishing of detailed operations manual, service manual with circuit diagram and maintenance manual for each appropriate unit of supplied goods. Basic price shall also include loading unloading & stacking, all other taxes, duties & levies and incidental services if applicable.

6.20.8 Customs duty payable on the goods, if applicable, shall be indicated separately. The tenderer shall indicate the value of import items on which customs duty is payable

6.20.9 Sales Tax (VAT): Applicable Sales Tax (VAT) shall be quoted in numeric values and in Rupees

6.20.10 The packing, forwarding freight and insurance charges applicable shall be quoted separately in numeric values and in Rupees

6.20.11 The total amount will be calculated and will be taken for evaluation and bid ranking.

6.20.12 The tenderers shall offer prices of the accessories inclusive of all the accessories mentioned in the technical specification under and under no circumstances offer the essential equipments, without which the accessories cannot function properly, as optional or left un-quoted.

## **6.21 CMC / AMC Rates**

6.21.1 Tenderer shall also quote CMC / AMC rates for a period mentioned in clause 5.1 after comprehensive warranty period. The rates of CMC/AMC for the prescribed period as per clause 5.1 shall be shown separately in the following manner:

The Total CMC/AMC rates i.e. Inclusive of tax if mentioned, offered shall be taken into account while tabulating and comparing prices for deciding the lowest qualified tenderer.

## **6.22 Award of Contract**

6.21.1 Criteria: The contract will be awarded to the lowest evaluated responsive

tenderer qualifying to the final round after scrutiny of the technical bids and demonstration of the accessories, i.e. after price bid opening. However the Tender Inviting Authority reserves the right to reject the claims of the lowest evaluated tenderer for sufficient reasons.

6.21.2 The details such as rates, the model of the accessories selected for award of the contract and the details of successful tenderers etc will be published during the period of price firmness on the website of the Tender Inviting Authority

### **6.23 Notification of Award/Letter of Intent (LOI)**

6.23.1 Before expiry of the tender validity period, the Tender Inviting Authority will notify the successful tenderer(s) in writing, by registered / speed post or by email (to be confirmed by registered / speed post immediately afterwards) that its tender for accessories, which have been selected by the Tender Inviting Authority, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. This notification is undertaken by issuing a Letter of Intent (LOI) by the Tender Inviting Authority.

6.23.2 The successful tenderer, upon receipt of the LOI, shall furnish the required performance security and submit an agreement in the prescribed format within ten days, failing which the EMD will be forfeited and the award will be cancelled.

6.23.3 The Notification of Award shall constitute the conclusion of the Contract.

### **6.24 Signing of Contract**

6.24.1 The successful tender shall execute an agreement in the format as given under Annexure III for ensuring satisfactory supply, installation, commissioning and the aftersales service/support during the warranty period.

6.24.2 The successful tenderer shall submit bank guarantee in the format as per Annexure IV as performance security.

6.24.3 Promptly after notification of award, within ten days from the date of the letter of intent, the successful tenderer shall return two copies of the contract (as per agreement Annexure III) , both on Rs 200/- stamp paper purchased in the name of the successful tenderer, duly signed and dated, to the Tender Inviting Authority by registered / speed post or in person.

6.24.4 The successful tenderer shall later extend the contract converting it as

Comprehensive Maintenance Contract/Annual Maintenance Contract with the Tender Inviting Authority/three months prior to the completion of Warranty Period, if the Tender Inviting Authority desires so. The CMC will commence from the date of expiry of the Warranty Period.

6.24.5 Assignment:-The successful tenderer shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Tender Inviting Authority's prior written permission.

6.24.6 Subcontracts: - The successful tenderer shall not subcontract the execution of the contract. Such action, if done without the knowledge of the Tender Inviting Authority prior to the entering of the contract, shall not relieve the successful tenderer from any of its liability or obligation under the terms and conditions of the contract.

6.24.7 Modification of contract:- If necessary, the Tender Inviting Authority may, by a written order given to the successful tenderer at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:

6.24.7.1 Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specifically manufactured for the Tender Inviting Authority,

6.24.7.2 Mode of Demonstration

6.24.7.3 Incidental services to be provided by the successful tenderer

6.24.7.4 Mode of Installation

6.24.7.5 Converting the installation of the accessories as turnkey project and any other term(s) of the contract, as felt necessary by the Tender Inviting Authority depending on the merits of the case.

6.24.7.6 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the successful tenderer to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly.

6.24.7.7 If the successful tenderer does not agree to the adjustment made by the Tender Inviting Authority, the successful tenderer shall convey its views to the Tender Inviting Authority within ten days from the date of the successful tenderer's receipt of the Tender Inviting Authority's amendment / modification of

terms of the contract.

## **6.25 Performance Security**

6.25.1 There will be a performance security deposit amounting to the total value as mentioned in Section III excluding taxes, which shall be submitted by the successful tenderer to the Tender Inviting Authority within 10 days from the date of issuance of 'Letter of Intent'.

6.25.2 The contract duly signed and returned to the Tender Inviting Authority shall be accompanied by a demand Draft or Bank Guarantee in the prescribed format.

6.25.3 Upon receipt of such contract and the performance security, the Tender Inviting Authority shall issue the Supply Orders containing the terms and conditions for the execution of the order.

6.25.4 Failure of the successful tenderer in providing performance security mentioned in Section III and/or in returning contract copy duly signed in time shall make the tenderer liable for forfeiture of its EMD.

6.25.5 The Performance security shall be denominated in Indian Rupees as detailed below:

6.25.5.1 It shall be in any one of the forms namely Account Payee Demand Draft or Bank Guarantee issued by a Scheduled bank in India, endorsed in favour of the Tender Inviting Authority.

6.25.5.2 In the event of any failure /default of the successful tenderer with or without any quantifiable loss to the Society including furnishing Bank Guarantee for CMC security, the amount of the performance security is liable to be forfeited.

6.25.5.3 In the event of any amendment issued to the contract, the successful tenderer shall, within ten (10) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.

6.25.5.4 Tender Inviting Authority will release the Performance Security without any interest to the successful tenderer on completion of the successful tenderer's all contractual obligations including the warranty obligations and after confirming that all the contractual obligations have been successfully complied with.

6.25.5.5 The Bank Guarantee submitted in the place of EMD/Security deposit shall be in the prescribed format; Bank Guarantee in no other form will be accepted and will lead to rejection of tenders.

## **6.26 Delivery and Installation**

6.26.1 The successful tenderer shall visit the NSMIMS and recommend preinstallation requirements. If the supplier fails to communicate any of such instances before delivery of equipment and cannot complete the installation within the stipulated period, Tender Inviting Authority shall deduct liquidated damages as per the tender conditions.

6.26.2 The successful tenderer will have to arrange transportation of the ordered goods as per its own procedure and pay necessary insurance against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery and pay all necessary charges incidental till it is installed in the NSMIMS. It shall be ensured that the equipments arrive at the destination in good condition within the delivery period mentioned and as per the other requirements of the Tender Document.

6.26.3 If at any time during the currency of the contract, the successful tenderer encounters conditions hindering timely delivery of the goods and performance of services, the successful tenderer shall inform the Tender Inviting Authority in writing within a week about the same and its likely duration and make a request to the Tender Inviting Authority for extension of the delivery schedule accordingly. On receiving the successful tenderer's communication, the Tender Inviting Authority shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of successful tenderer's contractual obligations by issuing an amendment to the contract.

6.26.4 The successful tenderer is required to deliver the equipments and install the equipments at the site within time specified from the date of issue of the 'Supply Order' and demonstrate the specification/features as well as operation / performance of the equipment to the satisfaction of the Tender Inviting Authority.

## **6.27 Payment**

6.27.1 The payment of the first installment of the price agreed will be made

within thirty days from the date of installation of the equipment with its all necessary accessories specified in the supply order.

6.27.2 The original invoice submitted shall be in the name of the Tender Inviting Authority and the name of the consignee shall also be mentioned in it.

6.27.3 Requests for advance payment, payment against delivery or payment through Bank against dispatched documents will not be considered. Part Payment at the agreed rate as per cl.5.1. shall be considered in respect of equipments installed and the necessary Installation Certificate obtained.

6.27.4 The retained remaining (second) installment will be released on submission of the 'One month performance certificate' subject to recoveries, if any, either on account of non-rectification of defects/ deficiencies by the successful tenderer .

6.27.5 Payment for CMC/AMC Charges: The payment of CMC will be made once in six months after satisfactory completion of said period by the Tender Inviting Authority.

6.27.6 The successful tenderer shall not claim any interest on payments under the contract.

6.27.7 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other taxes as applicable will be made from the bills payable to the successful tenderer at rates as notified from time to time.

6.27.8 The successful tenderer shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to the Tender Inviting Authority.

6.27.9 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Tender Inviting Authority, as and if permitted under the contract, the successful tenderer shall also certify that, in case it gets any refund out of such taxes and duties from the authorities concerned at a later date, it (the successful tenderer) shall refund the same to the Tender Inviting Authority forthwith.

## **6.28 After Sales Service conditions:**

6.28.1 The Tender Inviting Authority gives paramount importance to the aftersales service of the machinery/equipments installed to ensure smooth operation afterwards. The successful tenderer is required to undertake preventive maintenance and attend all repairs, if any, that may arise during the warranty period free of cost and thereafter for additional period mentioned in the Specific Conditions of Contract, for which the rates of Comprehensive Annual Maintenance Contract or Comprehensive Maintenance Contract, in simple terms (CMC- including all essential spares needed for the satisfactory performance of the equipment) and Annual Maintenance Contract (AMC- without spares) shall be finalized at the time of tender itself. The rate offered for CMC/AMC charges will be considered for evaluation of prices and deciding on the successful tenderer

6.28.2 The aftersales terms and conditions will be strictly enforced and those tenderers who are willing to support the Tender Inviting Authority in its endeavor to provide trouble free operation/performance of the equipments for the prescribed period need only participate in the tender.

6.28.3 The aftersales service shall be performed during the warranty period and also during the Comprehensive Maintenance Period (CMC)/ Annual Maintenance Contract, if awarded. The detailed terms and conditions for after sales service mentioned hereunder.

6.28.4 Failure to provide satisfactory after sales services during or after the warranty period and CMC/AMC will lead to blacklisting/debarring of the tenderers, but after issuing due notice and provide opportunity for being heard.

## **6.29 Guarantee/Warranty terms:**

6.29.1 The successful tenderer has to warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

6.29.2 The successful tenderer further has to warrant that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the successful tenderer that may develop under normal



use of the supplied goods.

6.29.3 All the equipments including the accessories supplied as per the technical specification in clause 4.2 should carry comprehensive warranty for a period mentioned under cl.5.1. in the first instance. During this period, the successful tenderer shall replace all defective parts and attend to all repairs/breakdowns and undertake stipulated number of preventive maintenance visits to every user installation site. The cost of spare parts for all replacements has to be borne by the successful tenderer during the period of comprehensive warranty.

6.29.4 On expiry of the comprehensive warranty period, the successful tenderer shall be willing to provide after sales support for an additional period prescribed under clause 5.1. from the date of supply & installation, under an extended contract known as Annual Maintenance Contract (AMC-without replacement of spares) or Comprehensive Maintenance Contract (CMC-inclusive of replacement of spares).

6.29.5 The prospective tenderers, who are manufacturers, shall submit an undertaking from the Original Equipment Manufacturers (OEM) that they are willing to provide spare parts for the period of warranty as mentioned and also during the additional CMC/AMC period, if awarded. The OEM shall also assure continuity of service to their product, in the event of change in dealership of the tenderers – their existing dealers – could not provide service during the warranty / AMC period. The undertaking from OEM is an essential document forming part of the Technical Bid, without which the tenders will be rejected summarily in the first round itself.

6.29.6 After sales service centre in Kerala preferably or at least in South India should be available as part of the pre-qualification criteria under cl.5.2.6 and the tenderer shall provide proof of their capability to undertake such maintenance/repair within the stipulated time.

6.29.7 Site Visits: The successful tenderer shall visit the Institution as part of preventive maintenance as per the frequency mentioned under cl.5.1. during the warranty period. The tenderer shall attend any number of break down/repair calls as and when informed by the Tender Inviting Authority.

6.29.8 Complaints should be attended properly, maximum within the time mentioned in clause 5.1.9. In case, the repair/fault duration is likely to exceed 72 hours, the successful tenderer shall arrange a standby equipment of the same make and model within next 48 hours (total down time should not exceed 5 days) as a stop-gap arrangement till the repair/fault is rectified and the stand by equipment

shall perform in the same manner as regards a new equipment.

6.29.9 Upon receipt of such notice for repair/breakdown from the Tender Inviting Authority, the successful tenderer shall, within the period specified under cl.5.1.9, and with all reasonable speed, repair or replace the defective goods or parts thereof, without cost to the Tender Inviting Authority.

6.29.10 If the successful tenderer, having been notified, fails to rectify the defect(s) within the period specified in cl.5.1.9, the Tender Inviting Authority may proceed to take such remedial action as may be deemed necessary at the successful tenderer's risk and cost and without prejudice to any other rights which the Tender Inviting Authority may have against the successful tenderer under the contract.

6.29.11 Failure to attend the repairs in time or failure to attend the stipulated preventive maintenance visit or failure to replace the defective equipments or to provide standby equipment if the fault/down time exceeds the stipulated period or to ensure the stipulated up-time in an year shall lead to imposition of a fine of Rs.5000 for each hour exceeding the stipulated period and/or forfeiture of the performance security and/or may lead to blacklisting/debarring of the defaulting tenderer.

6.29.12 A warranty certificate duly signed and with proper stamp of the institution concerned and also signed by the authorized signatory with the stamp of the successful tenderer shall be submitted to the Tender Inviting Authority for keeping it under safe custody along with the Installation Certificate.

6.29.13 The equipment which requires quality assurance test shall be so tested free of cost immediately after installation, during the comprehensive warranty period, during the CMC / AMC period, by the demand of the Tender Inviting Authority and also when major spares are replaced.

6.29.14 Any mandatory approval required for installation shall be obtained by the successful tenderer in liaison with the respective authorities.

6.29.15 The tenderer shall submit the activities to be carried out during the preventive maintenance visit.

6.29.16 The tenderer shall submit the parameters which require calibration and the frequency of calibration required

6.29.17 The tenderer shall submit the details of all major spares in the price bid cover.

6.29.18 The tenderer shall undertake on-site calibration of the equipment every year as part of the aftersales service during the period of comprehensive warranty, and submit a 'calibration certificate' to the Tender Inviting Authority afterwards

6.29.19 The offered warranty includes

6.29.19.1 Visits to NSMIMS at frequencies prescribed under cl.5.1. as part of preventive maintenance.

6.29.19.2 Testing & calibration as per technical/service/operation manual of the manufacturer or as per the period specified or as per the demand of the Tender Inviting Authority.

6.29.19.3 Quality Assurance tests (if applicable).

6.29.19.4 The cost of labour for all repairs/ and all spares required for replacement during repairs including X ray tubes, mono block, image intensifier, HT Cable, Helium for CATH LAB, all kinds of Probes, all types of sensors and transducers, Electrodes, Detectors, battery, battery for UPS, other vaccumatic parts etc wherever applicable and also the accessories and other devices supplied along with the equipments like stabilizer, UPS, AC, Computer, Compressor, Monitor, etc, which forms part of the equipment system, without which it cannot perform satisfactorily.

6.29.19.5 The exclusion of warranty of any vital equipment parts will be compared with offers of other tenderers during evaluation of the bids and this may be taken into consideration in deciding the successful tenderer on the basis of expert advice.

6.29.19.6 The tenderer shall provide up-time warranty of complete equipment as mentioned in clause 5.1.10, the uptime being calculated on 24 (hrs) X 7 (days) basis failing which the extension of Warranty period will be extended by double the downtime period.

6.29.19.7. All software updates, if any required, should be provided free of cost during Warranty period.

### **6.30 Annual Maintenance Contract (CMC & AMC)**

6.30.1 The decision to enter into CMC or AMC will be determined on the basis of cost and complexity of the equipment by the Tender Inviting Authority at its discretion, prior to the expiration of warranty period.

6.30.2 The Comprehensive Maintenance Contract (CMC) is otherwise an extended warranty. All the terms and conditions agreed by the successful tenderer for executing the comprehensive warranty of the equipment shall be extended during the period of CMC, only difference being the payment of CMC charges is absent during the period of comprehensive warranty.

6.30.3 During Annual Maintenance Contract, the cost of spares will be borne by the Tender Inviting Authority. During the period of AMC, other terms and conditions will remain the same as in the case of Comprehensive Warranty/CMC, except in respect of the cost of spares. In short, the AMC is a CMC with provisions for payment of cost of spare parts during the currency of the contract by the Tender Inviting Authority.

6.30.4 The cost of CMC, AMC, accessories and spares, reagents and consumables as in case may be quoted along with taxes applicable, if any, no claim for taxes will be entertained later.

6.30.5 Failure/refusal on the part of the successful tender supplying/installing the equipments to enter into CMC/AMC with the Tender Inviting Authority, at the end of the Comprehensive Warranty Period, if the Tender Inviting Authority, desires so, shall lead to forfeiture of performance security and may also result in the blacklisting/debarring of the tenderer.

6.30.6 The successful tenderer shall also indicate the rates for the CMC and AMC in price bid form and such rates are binding on the successful tenders after the expiration of the warranty period. The yearly rates for CMC/AMC shall remain one and the same as quoted in the price bid form for the extended years. Cost of CMC (including taxes, if any) will be considered for Ranking/Evaluation purpose. The payment of the agreed CMC/AMC charges will be made as per frequency for payment after satisfactory completion of said period, on receipt of service report/break down report

### **6.31 Spare parts/Reagents**

6.31.1 The tenders shall offer prices for all the spares/reagents mentioned in the technical specifications separately in the price bid form.

6.31.2 Successful tenderer shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Tender Inviting Authority promptly on receipt of order from the Tender Inviting Authority.

6.31.3 The successful tenderer shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the Tender Inviting Authority for such replaced parts/goods thereafter.

6.31.4 The Tender Inviting Authority may place orders for additional spares/consumables/reagents which are needed for the smooth performance/operation of the equipment and the successful tenderer shall be willing to supply the same in time at the cost offered in the price bid forms, failing which, such instances will be construed as a breach of tender conditions and lead to penal provisions.

6.31.5 The method of evaluation and comparison of prices will take into consideration the cost of the reagents as well.

## **6.32 Training**

6.32.1 The successful tenderer has to impart on-site training to Doctors/ Technicians/Para-medical staff on the operation and preventive maintenance of the equipment at the time of installation and anytime during warranty period to the satisfaction of the Tender Inviting Authority.

6.32.2 The training details shall be recorded in the installation certificate for enabling the Tender Inviting Authority to make the first 60% payment.

## **6.33 Imported Equipments**

6.33.1 The Tender Inviting Authority shall in no way involve in the import of the equipments from foreign countries, if such equipments are manufactured outside the country. It shall be the solemn duty of the tenderer to import the equipments offered by paying the requisite consideration in foreign currency and following the stipulations issued by the Government of India, from time to time, in the import of equipments.

6.33.2 The tenderers shall inform any advantages in prices to the Tender Inviting Authority because of reductions/exemptions in customs duty in case of imported equipments at the time of pre-tender meeting and the tender document shall be modified by amendment to that extent.

6.33.3 The Tender Inviting Authority will not interfere in any manner with the import process and the successful tenderer shall be solely responsible for supply and installation of any equipment at the time and locations stipulated/agreed to in the bids.

6.33.4 Successful tenderer shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Tender Inviting Authority promptly on receipt of order from the Tender Inviting Authority.

### **6. 34 Intellectual Property Rights (IPR)**

6.34.1 The successful tenderer shall, at all times, indemnify and keep indemnified the Tender Inviting Authority, free of cost, against all claims which may arise in respect of goods & services to be provided by the successful tenderer under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks.

### **6. 35 Corrupt or Fraudulent Practices**

6.35.1. It is required by all concerned to observe the highest standard of ethics during the procurement process. In pursuance of this policy, the Tender Inviting Authority prescribes the following conditions:

6.35.2 “corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence in the procurement process or in contract execution; and

6.35.3 “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Tender Inviting Authority, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Tender Inviting Authority of the benefits of free and open competition;

6.35.4 Tender Inviting Authority will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question; will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the Tender Inviting Authority if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

6.35.5 No tenderer shall contact the Tender Inviting Authority or any of its officerson any matter relating to its bid, other than communications for clarifications and requirements under this tender in writing, with an intention to influence the members of various committees or officials of Tender Inviting Authority. Any such effort by a tenderer to influence the Tender Inviting Authority

in the Tender Inviting Authority's bid evaluation committee, bid comparison or contract award decisions may result in rejection of the tenderers bid.

### **6.36 Force Majeure**

6.36.1 For purposes of this clause, Force Majeure means an event beyond the control of the successful tenderer and not involving the successful tenderer's fault or negligence and which is not foreseeable and not brought about at the instance of the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include, but are not restricted to, acts, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees , lockouts excluding by its management, and freight embargoes.

6.36.2 If a Force Majeure situation arises, the successful tenderer shall promptly notify the Tender Inviting Authority in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Tender Inviting Authority in writing, the successful tenderer shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

6.36.3 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.

6.36.4 In case due to a Force Majeure event the Tender Inviting Authority is unable to fulfill its contractual commitment and responsibility, the Tender Inviting Authority will notify the successful tenderer accordingly and subsequent actions taken on similar lines described in the above sub-paragraphs.

### **6.37 Resolution of disputes**

6.37.1 If dispute or difference of any kind shall arise between the Tender Inviting Authority and the successful tenderer in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual

consultations.

6.37.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the tender document, either the Tender Inviting Authority or the successful tenderer may give notice to the other party of its intention to commence arbitration, as provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India.

6.37.3 In the case of a dispute or difference arising between the Tender Inviting Authority and a domestic Successful tenderer relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of the Board of Directors whose decision shall be final.

6.37.4 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., Kollam, Kerala State, India.

## **6.38 Applicable Law & Jurisdiction of Courts**

6.38.1 The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.

6.38.2 All disputes arising out of this tender will be subject to the jurisdiction of courts of law in Kollam

## **6.39 General/ Miscellaneous Clauses**

6.39.1 Nothing contained in this Contract shall be construed as establishing or creating between the parties, i.e. the successful tenderer/its Indian Agent/CMC Provider on the one side and the Tender Inviting Authority on the other side, a relationship of master and servant or principal and agent.

6.39.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.

6.39.3 The Successful tenderer shall notify the Tender Inviting Authority of any material change that would impact on performance of its obligations under this Contract.

6.39.4 Each member/constituent of the Successful tenderer in case of consortium



shall be jointly and severally liable to and responsible for all obligations towards the Tender Inviting Authority for performance of contract/services including that of its Associates/ Sub Contractors under the Contract.

6.39.5 The Successful tenderer shall, at all times, indemnify and keep indemnified the Tender Inviting Authority against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the successful tenderer/its associate/affiliate etc.

6.39.6 All claims regarding indemnity shall survive the termination or expiry of the contract.

#### **6.40 Penalties for non-performance**

6.40.1 The penalties to be imposed, at any stage, under this tender are;

6.40.1.1 imposition of liquidated damages,

6.40.1.2 forfeiture of EMD/performance security

6.40.1.3 termination of the contract

6.40.1.4 blacklisting/debarring of the tenderer

6.40.2 Failure to produce the requisite certificates after claiming to possess such certificates or concealment or misrepresentation of facts will not only lead to rejection of tenders in the first round itself and/or may lead to forfeiture of EMD or performance security as well as result in black listing/debarring of the tenderer.

6.40.3 The penalties to be imposed on the tenderer, at any stage, will be decided on the basis of the violations of number of tender conditions specifically mentioned in the tender document as that leading to forfeiture or EMD/ Performance Security or leading to black-listing/ debarring .

6.40.4 Any unexcused delay by the successful tenderer in maintaining its contractual obligations towards delivery of goods and performance of services shall render the successful tenderer liable to any or all of the following sanctions:

6.40.5 Liquidated damages:- If the successful tenderer fails to deliver any or all of the goods or fails to perform the services within the time frame(s) prescribed in the

contract, the Tender Inviting Authority shall, without prejudice to other rights and remedies available to the Tender Inviting Authority under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% of the equipment to be supplied per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 15% of the contract price. Once the delivery period is exceeded, Tender Inviting Authority may consider termination of the contract. During the above-mentioned delayed period of supply and / or performance, the conditions incorporated shall also apply and Tender Inviting Authority shall seek alternate measures at the risk and cost of the successful tenderers.

6.40.5.1 The penalties imposed by the Tender Inviting Authority will be published on the website of the Tender Inviting Authority for a period as decided as appropriate by it.

6.40.5.2 The decision to impose penalties and finally to black list the defaulting firm will be final and shall be binding on all tenderers participating in this tender.

#### **6.41 Termination of Contract**

6.41.1 Termination for default:- The Tender Inviting Authority, without prejudice to any other contractual rights and remedies available to it (the Tender Inviting Authority), may, by written notice of default sent to the successful tenderer, terminate the contract in whole or in part, if the successful tenderer fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Tender Inviting Authority.

6.41.2 In the event of the Tender Inviting Authority terminating the contract in whole or in part, the Tender Inviting Authority may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the successful tenderer shall be liable to the Tender Inviting Authority for the extra expenditure, if any, incurred by the Tender Inviting Authority for arranging such procurement.

6.41.3 Unless otherwise instructed by the Tender Inviting Authority, the successful tenderer shall continue to perform the contract to the extent not terminated.

6.41.4 Termination for insolvency: If the successful tenderer becomes bankrupt or otherwise insolvent, the Tender Inviting Authority reserves the right to terminate the contract at any time, by serving written notice to the successful tenderer without any compensation, whatsoever, to the successful tenderer, subject to further condition that such termination will not prejudice or affect the rights and

remedies which have accrued and / or will accrue thereafter to the Tender Inviting Authority.

6.41.5 Termination for convenience:- The Tender Inviting Authority reserves the right to terminate the contract, in whole or in part for its (Tender Inviting Authority's) convenience, by serving written notice on the successful tenderer at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Tender Inviting Authority. The notice shall also indicate inter alia, the extent to which the successful tenderer's performance under the contract is terminated, and the date with effect from which such termination will become effective. Further details could be obtained from the office of the Secretary, Kollam District Cooperative Hospital Society Ltd Q 952

#### **6.42 Fall Clause**

6.42.1 The prices charged for the equipment supplies under the contract by successful tenderer shall in no event exceed the lowest price at which the successful tenderer sells the equipments of identical description to any other persons during the period of contract. If any time, during the contract, the tenderer reduces the sales price chargeable under the contract, he shall forthwith notify such reduction to the Tender Inviting Authority and the price payable under the contract of the equipments supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

## **Appendix**

# **Technical Specifications**

## **CATH LAB**

### **CARDIAC CATH LAB**

#### **1. GANTRY**

1. The system should have Floor mounted/ceiling suspended gantry
2. It is desirable to have full body coverage
3. It should be possible to pre-programme the gantry for multiple examinations positions.
4. All movements of the gantry including collimator should be motorized and controlled from the table side as well as from the console.
5. The system should have adequate collision protection for the safety of the patient.
6. Gantry should have fast speed for angulations and positioning have a speed at least 18 degree/sec or more.
7. Gantry angulations should be freely user selectable to satisfy clinical imaging needs. Gantry should have automatic positioning capability dependent on the reference imaging being selected.
8. One joystick for patient-angle oriented C-arm and detector movements.
9. Positioning: 50 or more programmable examination positions

Please specify,

1. Isocenter-to-floor distance : At least 106 cm
  2. Focus-to-isocenter distance: At least 75 cm
  3. Maximum patient coverage : Approx 185 cm or more.
10. Variable focal spot-to- detector between 90cm and 119cm.  
Distance and speed up to 8.9cm/s or more.
- a. C-arm depth 89 cms or more
  - b. Motorized flat detector movement.

## **2. PATIENT TABLE**

- 2.1 Patient table must have radio lucent carbon fiber tabletop or equivalent :
1. The table should have longitudinal, horizontal and vertical travel.
  2. It should be possible to swivel the table in case of emergencies
  3. Table should allow head to toe coverage of adult patients without repositioning
  4. Floor – mounted patient table for all angiographic examinations and interventions.
  5. Large unobstructed cantilevered table top and wide range of rotations enables access to patient from all sides and easy transfer and positioning.
  6. Table control module for operation of all table functions.

1. Table height : 79 cm to 104 cm
2. Table length : 280cm or more
3. Lift speed :2cm/s or more
4. Table rotation (on pivot)  
With various locked
5. position :+/-90 deg or more  
Motorized longitudinal
6. travel : 120cm or more
7. Manual transverse travel :±14 cm or more
8. Maximum unobstructed overhang : 125cm or more
9. Maximum table load 300 kg or more (200kg Patient weight)

2.2 Long table top/mattress: mattress should provide high patient comfort for long interventional procedure, made of slow recovery form with ideal density and thickness.

### 2.3 Accessories with table and mattress

1. Accessory clamps
2. Arm supports including radical arm support for trans radical procedure.
3. Drip stand
4. Catheterization arm support
5. Foot support
6. Head end holder – Head support for neurological cases
7. Handles with support
8. Articulating arm support

### **3 X-ray Generator**

3.1 The generator must be optimized for the latest cardiac application for coronary, vascular and pediatric diagnostic and interventional procedures

1. Generator should be microprocessor controlled multi pulse/ high frequency for constant output with automatic dose rate control for radiography and fluoroscopy
2. 100kW at 100k V
3. SID tracking (automatic tube current adjustment to focus-to-detector distance)
4. Output should be 100Kw or more
5. KVP range selectability should be mentioned: ideally must be 50-125Kv or more
6. Output at 100 KV should be 1000 mA or more and should be able to deliver up to 1000 mA
7. It should have automatic exposure control device for radiographic fluoroscopy and angio mode.
8. It should have digital display of KV & mA. It should have overloading protection.
9. It should have the facility for pulsed fluoroscopy at variable rates for reducing the x-ray dose to the patient during intervention procedure
10. Provide details
  - a. Automatic X-ray control system fully automatic calculation and optimization of exposure data based on fluoroscopic values.
  - b. Patient transparency monitoring.
  - c. Monitoring the tube load with the date display.

d. KV & mA post- display on image monitor.

#### **4. X- ray Tubes:**

4.1. Tubes should be supplied with preferably liquid bearing tube technology or other performance proven tube technology for silent efficient and long lasting function.

4.2. Desirable features:

1. Powerful X-ray tube with at least two focal spots (small & large).
2. Anode angle – 8/9 degrees or better
3. Anode heat storage capacity should be 2.4 MHU or more having liquid bearing technology or metal lubricant or equivalent performance. The system should have adequate cooling facility for the X –ray tubes for uninterrupted performance during procedure.
4. Tube must have very high heat dissipation rate and effective filtration to reduce patient dose significantly – provide details.

4.3. Please provide details

1. Pulsed fluoroscopy (grid/generator switching)
2. Fluoro power for 10 minutes
3. Fluoro power for 20 minutes
4. Maximum heat dissipation of assembly
5. Provide details of filters used
6. X-ray indicator light



7. Leakage radiation
8. List the dose saving measures
9. Details of fluoroscopy dose for patient per second
10. Details of fluoroscopy and acquisition scattered dose for operator per second
11. Details of acquisition dose to patient per second

## **5 Collimator:**

1. Collimator should have facility for copper Pre filtration for reducing the X-ray dose. Facility for asymmetric collimation will be an added advantage and will be preferred.
2. The collimator leads should have IRIS type arrangement. The collimator should have the facility for dose measurement chamber in order to display the skin dose on the monitors in the lab.

## **6. Flat detector FD 20x20 (equivalent to minimum 10 inch diagonal)**

1. Flat Detector should be made of Cesium Iodide Amorphous silicon photo diode scintillator or similar material, ideal for excellent High-resolution 1024 x 1024 image matrix or more to achieve a resolution of 2.51p/ mm or higher in routine use.
2. High speed fibre optic connection to the imaging system.
3. Integrated temperature stabilizer
4. Integrated collision protection with removable grid.
5. Detector rotation landscape/portrait selection with vertical display
6. Pixel size: 200 microns or better

- 7 Niquist frequency higher : 2.5 LP/mm
- 8 Maximum acquisition speed from 0.5 up to 30 images / sec or more
- 9 Digitalization depth :14 bit or more
- 10 Spatial resolution of the detector : 2.5 LP /mm or more
- 11 Detector quantum efficiency (DQE)>70%(at 0 LP /mm ) or more
- 12 Control room should have antiglare provision with high resolution display in the control room.

## **7. Monitors**

### 7.1. Image Display Monitors – Examination Room

1. Three TFT/LCD flat 19 inch Monochrome Monitors with wide viewing angle, high luminance, high contrast, flicker free, distortion free: one for live image & one for reference, one for hemo diagnostics.
2. Monitors in the examination room should be ceiling suspended with height adjustment longitudinal travel. Tilt & Swivel capabilities.
3. Monitor brightness at least 600 cd/m<sup>2</sup>. (TFT monitors preferred for all areas.)

### 7.2. Image Display Monitors – Control Room

1. TFT/LCD flat 19 inch monochrome Monitors with wide viewing angle, high luminance, high contrast, flicker free, distortion free:
2. Displays in control room.  
In the console: 2Nos
  1. Size - Diagonal screen measurement 20” or higher
  2. Two TFT flat 19” size display Monochrome monitors
  3. (TFT monitors preferred at all areas)

**8 3D – DIGITAL ROTATIONAL ANGIOGRAPHY**( optional will be evaluated separately)

1. 3D – Digital Rotational Angiography for coronary & pediatric angiography.
2. Rotational speed 30 degree /s or more
3. Rotational angle 200 degree or more.
4. Frame speed 12.5 – 15/25 -30 FPS.

**9. DIGITAL IMAGE PROCESSING SYSTEM**

1. Cine loop & image hold during fluoroscopy, pulsed fluoroscopy with frame rates of 15/30 images at 1024x 1024 matrix/ 12 bit resolution.
2. Advanced image processing for real time edge enhancement, real time harmonization & noise reduction
3. Digital system with acquisition & processing in 1K matrix at 25/30 FPS.
4. Minimum storage capacity of 50000 images or more in 1024 x 1024/ 12 bit resolution. Specify max capacity for hard disk.
5. Background transfer of images from cath lab to digital storage/ CD archiving without interruption of cath lab procedure. (preferably automatic).
6. Ability to display images back to cath lab.
7. Image processing features like zoom, post processing.
8. Both on line & off line coronary analysis & ventricular analysis from table side and console room.
9. True on line Digital Subtraction Facility at selectable frame speeds. Specify system capability for on line DSA and frame rate per second
10. Facility to measure & display X-ray dose delivery during procedure.

11. DICOM 3.0 or more based CD/DVD recording; CD to have embedded software for instant review in any PC. Should have ability to run DSA run on CD. Facility to achieve multiple patient angiograms on single CD.
12. Clinically validated QCA for control & exam room.
13. Storage and display of dynamic fluoro sequences: Eg. 10 sec at 30p/s.
14. Digital Subtraction Angiography in real time at variable frame rate.
15. Stent enhancement Software and Hardware. Stent boost or clear stent is a must. Live stent boost option should be mentioned online and offline feasibility.

### **10.1. SYSTEM OPERATION:**

1. In Exam Room: Complete system operation with controls at patient table for controlling C-arm projection, patient table and collimator.
2. Multi function joy stick for operation of the image system Foot switch for fluoroscopy, radiography, table brakes etc.. .
3. Data display monitor form display of system and table geometry, system messages, dose data etc. In addition to other monitors in examination room.

### **10.2. The following functions should be selectable in the examination room:**

1. Run and image selection
2. File and run cycle
3. Review speed
4. Run and file overview
5. Active exam folder selection

6. Flagging image and run storage
  7. Subtraction and image mask selection
  8. Digital zoom
  9. Storing reference run or image to reference monitors
  10. Select reference monitors for review and / or processing of previous run exposures
- 10.3. The following functions should be available at the patient table – side modules:
1. Review of a patient exam
  2. Exam and run cycle
  3. Adjustment of contrast, brightness and edge enhancement
  4. Exam, run and image stepping
  5. Run and exam over view
  6. Basic review functionality as image invert and digital zoom
  7. Go to original settings
  8. Reset fluoroscopy timer and switch X-ray on/off
  9. Quantitative analysis package
  10. Land marking (increase/decrease of degree of subtraction)
  11. Video invert
  12. Zoom and pan image
  13. View trace
  14. Pixel shift

15. Electronic shutters

16. Copy images / runs

## **11. RADIATION PROTECTION FEATURES**

1. Automatic X –ray control system for automatic calculation and optimization of exposure data based on fluoroscopic values
2. Three or more level adaptive Cu filtration for reduction of skin dose.
3. Pulsed fluoroscopy with additional reduced pulse frequencies (specify range of frequencies).
4. Radiation free positioning of primary and semitransparent collimators via graphic last image hold on image monitor.
5. Visually controlled patient positioning without radiation using LIH as reference.
6. Radiation measurement and display chamber integrated collimator housing.

## **12. SOFTWARE**

1. 3D modeling of coronary artery and stenosis quantification. Mention online and offline feasibility. (Optional, will not be taken for evaluation)
2. Auto push software wherein the doctors sitting in the OP can see the angio instantly.
3. QUANTIFICATION (mandatory)
  - 1 Vascular analysis with stenosis quantification
  - 2 Quantitative Coronary analysis
  - 3 LV analysis

(Please detail the Quantitative analysis package)

### **13. DICOM COMPATIBILITY (DICOM 3 Compatible)**

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- 13.1. Archiving / recording in DICOM modes.
- 13.2. DICOM storage commitment for archiving on CD/DVD.
- 13.3. DICOM print of image through laser printer

### **14. HEMODYNAMIC RECORDER**

1. 12 channel EKG waveform display including non radio opaque ECG cables for hemodynamic system. Flex cardio – Hemodynamic system including extra monitor for the console room, two or more invasive pressure display and necessary transducers, connectors.
2. Dp/Dt waveform display
3. Spo2, NIBP display and necessary equipment
4. Storage of ECG/ pressure recording on CD
5. Storage on hard disk: specify storage capacity
6. On TFT monitor in examination room with ceiling suspension and one in console room
7. Conversion of hemodynamic reports into DICOM3 Compatible image data format

### **15. PRESSURE INJECTOR AND STERILIZER EQUIPMENT**

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. Eg: Medrad Mark V Provis or equivalent : Stand alone type, Single head high pressure injector, 100 numbers of 150 ml syringes to be supplied.

- 15.1 High pressure injector for contrast delivery.
- 15.2 Sterilizer equipment for sterilization of disposable catheters, sheaths, wires

etc . ETO sterilizer with complete accessories like compressor exhausts pipelines, etc including installation and commissioning. 3M model 5XL or equivalent. Detailed specification enclosed at the end of this document.

## **16. ACCESSORIES**

1. Light weight wrap around two piece lead zero aprons 10 Nos with hangers.
2. Lead thyroid – shield – 6 Nos
3. Lead goggles light weight – 6 Nos
4. Lead window 150x100 cms – 1 No
5. On-line UPS with 30 Min back up for the whole system
6. Upper body and lower body lead partition – radiation protection shield for upper and lower body
7. Focused ceiling mounted cool light of high quality, spring arm, LED light
8. IV INFUSION SYRINGE PUMPSETS – 5 Nos (Bbraun Perfusor compact S or equivalent). Should be supplied with Syringe pump stand - 2nos. Detailed specification enclosed at the end of this document
9. Instrument table – 2 Nos
  - a) Length -100cm
  - b) Width 45 cm
  - c) Height-80 cm (top span from floor)
  - d) With 2 span (rack) with side rail on three sides, wheel size –diameter not less than 10 cm
10. Console room chairs – 4 and tables
11. Console room and review station in the cath lab should be provided with latest configuration computer and DVD/CD writing facility and DICOM send.



12.Pulse generator for Temporary external pacemaker single and double chamber – 1 No each. Medtronic model 5391 and 5392 or equivalent. Detailed specification enclosed at the end of this document

13. Pacing lead for Temporary pacemaker - 4 Nos

14.Portable Echo Machine - 1 Nos (specs given below)-optional will not be taken for evaluation

15.IABP Machine - 1 No (Data scope CS300 or equivalent). Detailed specification enclosed at the end of this document.

16.Accessory table -2 no

a. Length -100cm

b. Width 45 cm

c. Height-120 cm (top span from floor )

d. With 5 span (rack) with side rail on three sides ,wheel size – diameter not less than 10 cm

17.Crash cart 1 No

18.Cupboard for keeping the balloons, catheters and stents.

19.Stand to keep aprons

20.FFR and IVUS

21.ACT machine to check clotting time

## **17.Remote service**

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1. For hard ware and software remote diagnosis

## **1 SCOPE FOR TURNKEY WORK**

- 1 Installation, commissioning of the machine with all accessories mentioned.
- 2 Minor civil works and finishing works to remodel the existing room and the adjacent rooms for reporting.

- 3 Minor demolitions of existing wall.
- 4 Fixing of the lead glass on the wall.
- 5 Tile flooring on the gantry and console room.
- 6 Interior finishing works with false ceiling.
- 7 Dadoing work till false ceiling in the console and gantry room
- 8 Supply and Installation of the Air Conditioning units of suitable tonnage on the gantry and console room.
- 9 Necessary cabling work, lightings, switches and various sockets and electrical distribution paneling works.
- 10 The required power at one point in the proposed room shall be provided by the respective user institution.
- 11 Lead lining on the doors and frames as per AERB requirements.
- 12 Facilitating the user institution to obtain DRS approval (necessary drawing by the supplier).
- 13 Obtaining electrical inspectorates approval (necessary drawing by the supplier) by liasioning with hospital authorities.
- 14 The CMC rate offered shall be inclusive of all items supplied along with the machine including Air conditioner etc.
- 15 The bill of items with specifications of turnkey is provided in the price bid. Unit rate shall be offered and lumpsum shall be offered wherever requested.

The actual requirement of each site and the bill of quantities of each site can be finalized after the award of work.

1. The rate offered for turnkey shall be taken for L1 evaluation. The split-up items and the quantity taken for evaluation is shown below. However actual quantity may vary depend upon site.

2. The rates offered shall be inclusive of labour charges, clearing of debris, storage of materials, loading, Unloading, etc.

**i. OTHERS**

The offer should be accompanied by original product data sheet/brochure of the product and AERB type approval certificate or valid No Objection Certificate (NOC) for the model offered should be submitted along with the technical bid. In case of NOC valid type approval certificate has to be submitted prior to submission of invoice for payments.

There shall be no separate licensing fee for the use of software (software by the bidder or third party) supplied by the bidder.

All equipment provided shall be of current production, new and of first rate quality.

Remote diagnostic capabilities must include the ability to remotely connect the system on a regular basis to retrieve information about the system and to correct any software problems.

It is the responsibility of the bidder to provide all items required but erroneously mentioned or omitted above for the full commissioning of the equipment.

**ii. DETAILED SPECIFICATION OF ETO STERILIZER**

1. Equipment to be Microprocessor controlled Sterilizer cum Aerator
2. Fully Automatic 100% Ethylene Oxide Gas Sterilizer
3. Sterilizer Chamber Volume should be 4.8 Cu ft. (136 Litres) and should be made of 6061-T6 grade rust proof Iodized Aluminum
4. Sterilizer should work on Single Dose Cartridge 100gms
5. Sterilizer should not have Area Heat Radiation above 5.5 BTU/Hr

6. Sterilizer should Operates at 220V, 15Amp Domestic Power Supply
7. Sterilizer should have Continuous Monitoring of RH through Relative Humidity Sensor
8. Sterilizer should have vaporizing chamber for low temperature steam, gas and air injection system
9. Sterilizer should have Dual Zone heating system with standard cool 37deg C and warm 55deg C temperature sterilization cycles
10. Equipment should have Machine Programmable code feature to set different parameter cycles
11. Sterilizer should have variable Aeration phase depending on type and composition of load
12. Sterilizer should have automatic gas puncturing system and work under NEGATIVE PRESSURE ensuring operator safety
13. Sterilizer should automatically gets into Aeration Cycle after Sterilization is completed and indicate the phases in the visual display of the equipment.
14. Sterilizer should have access to both Digital & Analogue Alpha Printout– Numeric Graphical Thermal Printer
15. Sterilizer should have facility for Remote Operation and should be able to operate from other remote locations.
16. Sterilizer should have Video Screen for Status of complete Sterilization Cycle
17. Sterilizer should have option of UPGRADABILITY.
18. Sterilizer should not have mixture of CFCs OR HCFCs
19. Sterilizer System to provide the information of last 10 sterilization cycles
20. Equipment exhaust system should have optional connectivity to EtO catalytic converter system for environment safety as an upgrade over the years

21. Sterilizer should have access to Supervisor / Operator Access Codes
22. System should have In-built Calibration features available in the Equipment and a validation port to perform external calibration/ validation of the equipment
23. Sterilizer should have direct access to emergency aeration.
24. Equipment manufacturer should supply the certified, compatible gas cartridge of the same make 50 numbers during installation.
25. Should have CE/FDA approval.

### **iii. DETAILED SPECIFICATION OF PULSE GENERATOR FOR TEMPORARY PACEMAKER**

#### 1. Single chamber :

- a. Should be a Single Chamber Pacemaker (Temporary) for bradycardia treatment before, during or after a surgery
- b. Should be compact & easy-to-operate device, particularly suitable for emergency treatments
- c. Should have continuous monitoring of the battery voltage
- d. Should have Modes AOO, AAI, VOO, VVI
- e. Should have pacing rate 30-180 ppm
- f. Should have Pulse Amplitude of 0.3 - 12V
- g. Should have sensitivity 1 – 20 mV
- h. Should have an audible alert for low battery with a visual indication.
- i. Should have CE/ FDA approval

#### 2. Double chamber :

- a. Should be a double Chamber Pacemaker (Temporary) for bradycardia treatment before, during or after a surgery
- b. Should be compact & easy-to-operate device, particularly suitable for emergency treatments
- c. Should have Modes DDD, DOO, DDI, AOO, VVI, VOO
- d. Should have pacing rate 30-200 ppm
- e. Should have Pulse Amplitude of 0.1 – 20 mA
- f. Should have sensitivity 0.4 V – 10 mV
- g. Should have an audible alert for low battery with a visual indication.
- h. Should have CE/ FDA approval

#### **iv. DETAILED SPECIFICATION OF SYRINGE PUMP**

1. Should be easy to use and nurse friendly.
2. Should have automatic syringe size and model detection
3. Should have large format LCD/TFT display.
4. Should have a minimum flow rate range from 0.1 – 1200 ml/hr for 50ml syringe, 0.1 -100 ml/hr for 20ml syringe and 0.1 – 60 ml/hr for 10ml syringe.
5. Syringe range from 20-50/60 ml.
6. Should have a flow rate accuracy of  $\pm 2\%$
7. Should have a bolus rate up to 1000ml/hr for 50 ml syringe.
8. Should have automatic and manual bolus.
9. Should have at least 3 levels of programmable occlusion pressure.
10. Should have automatic bolus reduction system to avoid accidental bolus delivery after occlusion incident.

11. Should have a rechargeable battery with back up time of minimum 3 hours.

12. Pump must trigger following alarms with visual indication:-

- i. Occlusion Pressure Alarm
- ii. KVO or 3 min pre- alarm
- iii. Syringe empty and volume infused alarm
- iv. Internal malfunction and Battery Charge Low Alarm
- v. Syringe disengaged and incorrectly placed alarm
- vi. Alarm loudness control.
- vii. No mains
- viii. Line disconnected (rapid pressure drop).

13. Should work with input 200 to 240Vac 50 Hz supply.

14. Should have CE / FDA approval

#### **v. DETAILED SPECIFICATION OF IABP**

1. Transportable, Compact IABP system with minimum 2 1/2 Hours of Battery Backup.
2. Fast Pneumatics to provide accurate & reliable ventricular support enhancing augmentation & improved after-load reduction. Preferably a compressor based system for better drive-gas shuttle speed.
3. Should have 3 modes of Operation, 1) Automatic 2) Semi Automatic 3) Manual.
4. System should be capable of automatically selecting appropriate Trigger i.e. ECG or Pressure and also accurately select the inflation and Deflation points, in Automatic mode.

5. System should have Automatic Fiber Optic Pressure Signal Capability and should be capable of working with 7Fr. and smaller Fiber Optic Balloons.
6. The zeroing / Calibration of the pressure wave form should be automatically done once the Catheter is inserted into the patient (in vivo Calibration). The system should have the capability to recalibrate the pressure wave form every 2 hours or sooner if the patient or environmental condition changes (again in vivo Calibration).
7. The system should have capability of sending an electrically isolated low level pressure output signal which enables the user to send the Fiber Optic Pressure wave form to a patient monitor by simply attaching a cable.
8. In the automatic mode of operation user should be in control of the deflation point.
9. In Automatic and Semiautomatic Mode, Single ECG Trigger should be able to track various Ventricular and Atrial Arrhythmia including VE's, Bigeminy, Trigeminy, Couplets and Atrial Fibrillation etc without any user intervention, and still give optimal performance.
10. In Automatic and Semiautomatic Mode, Advance Software should automatically adapt the timings for various rhythms and rate variations, without any user intervention.
11. In Automatic and Semiautomatic Mode, it should automatically identify Atrial Fibrillation and adopt R-Wave deflation mode for better patient support, without any user intervention.
12. Should be able to trigger on 7mmhg of Pulse Pressure when used in Pressure Trigger mode.
13. Single Key Start-up to make it fast, user friendly and easy to use.
14. Should be able to display at least 3 waveform as ECG. Invasive Pressure and Balloon Pressure waveform.
15. Large Detachable Display for brighter and very good visibility from a distance in any lighting conditions.



16. On screen indication for Helium level in the cylinder and Battery level for timely intervention and correction.
17. ECG Inflation marker to indicate inflation period on ECG which can be useful when arterial pressure waveform is not available.
18. On screen indication of standby time and should give alarm after 20 mins, to draw user's attention on the system being on standby.
19. Optical Blood back detect for early indication of blood coming into the balloon lumen due to IABC leak
20. Should have extensive Help Text available during startup to make the system easy to use even for new users
21. Should give extensive help messages to correct the alarm conditions that are specific to the alarm condition. This should help the user to overcome the alarm problems immediately and with ease.
22. Should be capable of removing Condensation automatically without user intervention and should be maintenance free
23. Should have automatic Altitude correction to make it safer for use during Air Transport
24. PCIABP Software which allows the user to monitor the IABP from any remote location via a modem.
25. In-built Comprehensive Service Diagnostics to help the technician to locate the fault immediately.
26. Should have capability to connect on the hospital network.
27. System should be supplied with the following.
  - i. ECG Cable with Lead wires 1 Set
  - ii. Reusable Invasive Blood Pressure Transducer 1 no.
  - iii. Refillable Helium Cylinder compatible with the IABP system Qty. 3nos

## **vi. SPECIFICATION OF PORTABLE ECHO:**

1. Should be a standalone system integrated on a light weight mobile cart.
2. The system should be a color Doppler Echocardiography all digital beam former system to study the anatomical abnormalities and blood flow in the heart and associated vessels. Should be a standalone system integrated on a light weight mobile cart.
3. Should be a latest generation Electronic Phased array Color Doppler system with minimum 512 Electronic independent channels.
4. Should have 256 gray shades for sharp contrast resolutions.
5. Should be supplied with adult and pediatric cardiac and vascular probes of wide band transducers without frequency selection for higher sensitivity of response over a broad frequency range of operation.
6. Should have 2D, M-mode, Anatomical M-mode, Color M-mode, PW and CW Doppler, Steerable CW doppler.
7. The system should have a very high dynamic range of at least 200dB to pick up subtle echoes.
8. Should have three active ports.
9. Should have 2-4 MHz broadband phased array sector probe for adult cardiac imaging.
10. Should have 3-8 MHz broadband phased array sector probe for pediatric and neonatal cardiac imaging.
11. Should have 3-12 MHz broadband Linear Array probe for vascular imaging.
12. Should have advanced tissue Harmonic Imaging.
13. Should have color flow imaging.

14. Should have color Tissue Doppler Imaging.
15. Should have gain control in Axial Plane.
16. Should have triple imaging possibility on the system.
17. Should have PW/CW Doppler facility in all imaging phased array sector probes.
18. Should have 15" or more high resolution TFT monitor with tilt and swivel facility and should be able to view in all angles and all light conditions.
19. Should have greater than 5000 images in the system hard disk drive
20. Should have in built CD/DVD writer.
21. Should have patient reporting page with embedded images.
22. Should have full functional measurement facility and calculation should be possible.
23. Should be supplied with thermal printer and 6 packs of thermal paper and the unit should have option to connect external printer.
24. Unit should function with 200-240Vac, 50/60 Hz input power supply.
24. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

**Annexure -1**  
**MANUFACTURERS OFFER FORM**

*(to be submitted by manufacturers)*

No.

Dated:

To

The Secretary,  
Kollam District Cooperative Hospital Society Ltd Q 952

Sir,

Tender No        :

Equipment Name        :

1. We ..... (name of the OEM) declare that we are the original manufacturers of the above equipment having registered office at ..... (Full address with telephone number/fax number & email ID and website), and having factories at \_\_\_\_\_
2. No company or firm or individual has been authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.
3. We hereby declare that we are willing to provide guarantee

/warranty and aftersales service during the period of warranty/CMC/AMC as per the above tender.

4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

(Name) for and on behalf of M/s. \_\_\_\_\_

Date: (Name of manufacturers) Place:

*Note: This letter of authority should be on the letter head of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.*

**Annexure-2**

**MANUFACTURER'S AUTHORISATION FORM**

*(to be submitted by authorized  
dealers/representatives/importers)*

No.

Dated:

To

The Secretary

(Tender Inviting Authority)

Kollam District Cooperative Hospital Society Ltd Q 952

Sir,

Tender No : \_\_\_\_\_

Equipment Name : \_\_\_\_\_

1. We ..... (Name of the OEM) are the original manufacturers of the above equipment having registered office at ..... (Full address with telephone number/fax number & email ID and website), having factories at \_\_\_\_\_ and \_\_\_\_\_, do hereby authorize M/s. \_\_\_\_\_ (Name and address of tenderer) to submit tenders, and subsequently negotiate and sign the contract with you against the above tender no. \_\_\_\_\_
2. No company or firm or individual other than M/s. \_\_\_\_\_ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

3. We also hereby undertake to provide full guarantee/warranty /CMC/AMC as agreed by the tenderer in the event the tenderer is changed as the dealers or the tenderer fails to provide satisfactory after sales and service during such period of Comprehensive warranty/CMC/AMC and to supply all the spares/reagents during the said period.
4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

(Name) for and on behalf of

M/s. \_\_\_\_\_

Date: (Name of manufacturers) Place:

*Note: This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the*

### Annexure-3

## AGREEMENT

THIS AGREEMENT made on the..... Day of ..... 2017  
Between ..... (Name and Address of *Purchaser*) represented by  
the Secretary (Hereinafter “the *Purchaser*”) on the one part and  
..... (Name and Address of Supplier) .....  
(Hereinafter “the Supplier”) represented by ..... (Name of  
the Authorized Signatory and Designation), Aged ..... years, residing  
at ..... (Full Residential Address of the Signatory) on the  
other part:

WHEREAS the *Purchaser* has invited tenders for the supply of  
.....(brief description of goods and services vide tender no  
.....dated .....The supplier has submitted technical and price bids  
and also demonstrated the technical specifications / features / other  
quality requirements as contained in the tender document. The  
*Purchaser* has finalized the tender in favour of the Supplier for the  
supply of the said goods and services for a total cost of Rs.....  
(Contract Price in Words and Figures) (Hereinafter “the Contract Price”)  
and issued Letter of Intent / Supply Order No. .... dated  
.....

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the tender document referred to.
2. The following documents shall be deemed to form and be read and constructed as part of this Agreement, viz.:
  - a. all the documents submitted by the tenderer as part of technical bid and price bid;



- b. the Schedule of Requirements;
  - c. the Technical Specifications and other quality parameters;
  - d. the clarifications and amendments issued / received as part of the tender document
  - e. the General Conditions of Contract;
  - f. the Specific Conditions of Contract; and
  - g. the *Purchaser's* Letter of Intent
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to supply, install and commission the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The *Purchaser* hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

**BRIEF PARTICULARS OF THE GOODS AND SERVICES WHICH SHALL BE SUPPORTED / PROVIDED BY THE SUPPLIER ARE:**

Sl. no	Brief description of goods	Quantity to be installed	Unit price (Rs)	Total Amount(3*4) (Rs)	Sales tax and other Taxes Payable(Rs)
1	2	3	4	5	6

Total value: 5+6

Delivery Schedule:

IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the said ..... (For the *Purchaser*) in the presence of ..... Signed, Sealed and Delivered by the said..... (For the Supplier)

(Signature, Name, Designation and Address with Office seal) in the presence of.....

1. (Signature, Name and Address of witness)
2. (Signature, Name and Address of witness)

**Annexure -4**

**BANK GUARANTEE FORM**

To

The Secretary  
Kollam District Cooperative  
Hospital Society Ltd Q 952

WHEREAS \_\_\_\_\_ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of Tender / Contract no \_\_\_\_\_ dated \_\_\_\_\_ (herein after called “the contract”) to supply the Kollam District Cooperative Hospital Ltd with ..... (Description of goods and supplies).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total amount of Rs \_\_\_\_\_ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without

cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We undertake to pay you any money so demanded notwithstanding any dispute or disputes raised by the supplier(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under these presents being absolute and unequivocal.

We agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

No action, event, or condition that by any applicable law should operate to discharge us from liability, hereunder shall have any effect and we hereby waive any right we may have to apply such law, so that in all respects our liability hereunder shall be irrevocable and except as stated herein, unconditional in all respects.

This guarantee will not be discharged due to the change in the constitution of the Bank or the Supplier(s).

We, \_\_\_\_\_ (indicate the name of bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent, in writing, of Kollam District Cooperative Hospital Society Ltd Q 952

This Guarantee will remain in force up to (Date) unless a claim or a demand in writing is made against the bank in terms of this guarantee on or before the expiry of (Date) all your rights in the said guarantee shall be forfeited and we shall be relieved and discharged from all the liability

there under irrespective of whether the original guarantee is received by us or not.

(Signature with date of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

Seal, name & address of the Bank and address of the Branch

**Annexure-5**

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**GENERAL INFORMATION ABOUT THE TENDERER**

1	Name of the Tenderer			
	Registered address of the firm			
	State		District	
	Telephone No.		Fax	
	Email		Website	
	<b>Contact Person Details</b>			
2	Name		Designation	
	Telephone No.		Mobile No.	
<b>Communication Address</b>				
	Address			

3						
	State		District			
	Telephone No.		Fax			
	Email		Website			
Type of the Firm ( Please ✓ relevant box)						
4	Private Ltd.		Public Ltd.		Proprietors hip	
	Partnership		Society		Others, specify	
	Registration No. & Date of Registration.					
Nature of Business ( Please ✓ relevant box)						
5	Original Equipment Manufacturer			Authorized Dealer /Representative		
	Direct Importer			Others, specify.		
Key Personnel Details (Chairman, CEO, Directors, Managing Partners etc.)						

6	in case of Directors, DIN Nos. are required				
	Name		Designation		
	Name		Designation		
7	<i>Whether any criminal case was registered against the company or any of its promoters in the past?</i>				Yes / No
8	<i>Other relevant Information provided * (here enclose the details such as presentation on the details of the tenderer in a CD preferably, please avoid submission of detailed leaflets/brochures etc, if possible.)</i>				
<i>Date.</i>		<i>Office Seal</i>		<i>Signature of the tenderer / Authorized signatory</i>	



**Annexure-6**  
**OFFER FORM**

Having examined and accepting the conditions of the tender document no..... we here by submit this offer for the supply & installation of .....  
..... conforming the detailed technical specification mentioned in section IV of the tender document. The details of the equipment offered are as follows.

Sl . N o.	Name of the Equipment	Model	Original Equipment  Manufacturer
1			

Date:

Office seal

Signature of the tenderer/Authorized  
Signatory

## Annexure-7

### SERVICE CENTRE DETAILS

Toll free number, if any			
Sl. No	Name and address of the service center (s)	Contact Details	
1		Telephone No:	
		Fax No:	
		Email ID.	
		Name of the Service Engineer	
		Mobile No.	
		Telephone	

2	No:	
	Fax No:	
	Email ID.	
	Name of Service Engr. th e	
	Mobile No.	
3	Telephone No:	
	Fax No:	
	Email ID.	
	Name of Service Engr. th e	
	Mobile No.	

Date:

Office seal

Signature of the  
Tenderer/Authorized signatory

**Annexure-8**

**POWER OF ATTORNEY**

*(On a Stamp Paper of relevant value)*

I/ We..... (Name and address of the registered office) do hereby constitute, appoint and authorize Sri/Smt.....(name and address) who is presently employed with us and holding the position of ..... as our attorney, to act and sign on my/our behalf to participate in the tender no.....for..... (Equipment name).

I/ We hereby also undertake that I/we will be responsible for all action of Sri/Smt..... Undertaken by him/her during the tender process and thereafter on award of the contract. His / her signature is attested below.

Dated this the \_\_\_day of 201\_  
For\_\_\_\_\_

(Name, Designation and Address)

Accepted

\_\_\_\_\_(Signature)

(Name, Title and Address of the Attorney) Date: \_\_\_\_\_

## Annexure-9

### ANNUAL TURN OVER STATEMENT

The Annual Turnover of  
M/s \_\_\_\_\_ for the past  
three years are given below and certified that the statement is true  
and correct.

Sl. No.	Year	Turnover in Lakhs (Rs)
1	2013 – 2014	
2	2015 – 2016	
3	2016 – 2017	
Total		
Average Turnover per year		

Date:

Signature of Auditor/ Chartered Accountant

(Name in Capital)

Seal:

**Annexure-10**

**DECLARATION FORM**

---

I/We M/s. \_\_\_\_\_ represented by its Proprietor / Managing Partner / Managing Director having its Registered Office at \_\_\_\_\_ do hereby declare that I/We have carefully read all the conditions of tender dated ..... for supply of CATHLAB machine floated by the Kollam District Cooperative Hospital Society Ltd Q 952 and accepts all conditions of Tender.

Signature of the Tenderer

Name in capital letters with Designation

**Annexure-11**

**WARRANTY CERTIFICATE**

*(to be filled jointly by the Tenderer, & Representative of the Tender Inviting Authority individually for every equipment)*

Date:

Supply order No : ..... dated.....

The instrument ..... (*Item Name*)  
Model No..... Bearing serial no .....  
was installed successfully at NSMIMS  
.....is offered with a  
comprehensive warranty for a period of ..... Years starting from  
..... to ..... including all the  
following accessories;

Sl.	Name of the accessory	Manufacturer's name	Item	
No				

<i>Name of the Supplier:</i>	<i>Name of the Secretary</i>
<i>Signature:</i>	<i>Signature:</i>
<i>Seal:</i>	<i>Seal:</i>

